

19 SEP 2005

10/502104

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

DROR SHEMESH, ET AL.

Application No.: 10/502,104

Art Group: Unknown

Filed: October 22, 2003

Examiner: Unknown

For: Scanning Electron Microscope Having Multiple Detectors  
and a Method for Multiple Detector Based Imaging

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## RESPONSE TO NOTICE TO FILE MISSING PARTS

Sir:

In response to the Notice to File Missing Parts mailed May 12, 2005, please find enclosed:

- a duly executed Declaration and Power of Attorney with payment in the amount of \$130.00 for the surcharge of  
37 CFR § 1.16(e);

- a Petition for Extension of Time and payment in the amount of \$1020.00;
- and
- copy of the Notice to File Missing Parts of Application.

If any additional fee is required, please charge Deposit Account No. 02-2666. An extra copy of the Fee  
Transmittal is enclosed for deposit account charging purposes.

Respectfully submitted,

APPLIED MATERIALS, INC.

Date: September 16, 2005

Tarek N. Fahmi, Reg. No. 41,402

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Patent Counsel  
P.O. Box 450A  
Santa Clara, CA 95052  
Telephone: (408) 947-8200

Geneva Walls

09/16/05  
Date



## UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 20 2005

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UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/502,104	Dror Shemesh et al	6317P076
INTERNATIONAL APPLICATION NO.		
PCT/US03/33648		
LA. FILING DATE	PRIORITY DATE	
10/22/2003	07/30/2003	

*cc: Dror Shemesh et al*

Applied Materials Inc  
 Patent Counsel  
 Po Box 450A  
 Santa Clara, CA 95052

COMPUTER ENTERED  
*MAY 26 2005*

CONFIRMATION NO. 3403  
 371 FORMALITIES LETTER

\*OC000000015997700\*

Date Mailed: 05/12/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 07/19/2004
- Copy of the International Search Report filed on 07/19/2004
- Preliminary Amendments filed on 07/19/2004
- Information Disclosure Statements filed on 07/19/2004
- U.S. Basic National Fees filed on 07/19/2004

PROCESSED BY  
 DOMESTIC  
 ADMINISTRATOR

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

*A copy of this notice MUST be returned with the response.*

KAYAL LEWIS BALTIMORE

ENTERED INTO CALENDAR  
 BY: SMM DATE 15/05

---

Telephone: (703) 308-9100 EXT 202

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/502,104	PCT/US03/33648	6317P076

FORM PCT/DO/EO/905 (371 Formalities Notice)



JC06 Rec'd PCT/PTO 19 SEP 2005

PCT  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	10	Application No.	10/502,104
		Filing Date	October 22, 2003
		First Named Inventor	Dror Shemesh
		Art Unit	Unknown
		Examiner Name	Unknown
		Attorney Docket Number	6317P076

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<div style="border: 1px solid black; padding: 5px;">COPY of PART 1 of Notification of Missing Requirements Under 35 U.S.C. 371; Postcard.</div>
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> PTO/SB/08		
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> Remarks	
<input type="checkbox"/> Basic Filing Fee		
<input checked="" type="checkbox"/> Declaration/POA		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Tarek N. Fahmi, Reg. No. 41,402 <i>APPLIED MATERIALS, INC.</i>
Signature	
Date	September 16, 2005

### CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Typed or printed name	Geneva Walls		
Signature		Date	September 16, 2005

Based on PTO/SB/21 (04-04) as modified by Baskely, Solokoff, Taylor & Zafman (wlr) 06/04/2004.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

# FEE TRANSMITTAL for FY 2005

*Patent fees are subject to annual revision.*

Applicant claims small entity status. See 37 CFR 1.27.

**TOTAL AMOUNT OF PAYMENT** (\$ 1,150.00)

#### Complete if Known

Application Number	10/502,104
Filing Date	October 22, 2003
First Named Inventor	Dror Shemesh
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	6317P076

#### METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Charge fee(s) indicated below                          | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) | <input checked="" type="checkbox"/> Credit any overpayments                       |
| under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.   |   |

#### FEE CALCULATION

Large Entity		Small Entity		Fee Description	09/26/2005 ATRAN1 00000080 022666 10502104	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		01 FC:1617 130.00 DA 02 FC:1253 1020.00 DA	
1051	130	2051	65	Surcharge - late filing fee or oath		130.00
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
2053	130	2053	130	Non-English specification		
1251	120	2251	60	Extension for reply within first month		
1252	450	2252	225	Extension for reply within second month		
1253	1,020	2253	510	Extension for reply within third month		1,020.00
1254	1,590	2254	795	Extension for reply within fourth month		
1255	2,160	2255	1,080	Extension for reply within fifth month		
1401	500	2401	250	Notice of Appeal		
1402	500	2402	250	Filing a brief in support of an appeal		
1403	1,000	2403	500	Request for oral hearing		
1451	1,510	2451	1,510	Petition to institute a public use proceeding		
1460	130	2460	130	Petitions to the Commissioner		
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		
1806	180	1806	180	Submission of Information Disclosure Stmt		
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))		
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))		
Other fee (specify) _____						
					SUBTOTAL (2) (\$)	1,150.00

#### Complete (if applicable)

Name (Print/Type)	Tarek N. Fahmi	Registration No. (Attorney/Agent)	41,402	Telephone	(408) 947-8200
Signature				Date	09/16/05